


4.00 credits

30.0 h

Q1

Teacher(s)	De Jaeger Dominique (coordinator) ;Patris Sophie ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	The following topics will be studied: the scientific method, assessing the scientific literature online, critical review of the literature, scientific writing.
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>1 At the end of the course the successful student will be able to understand how science works, to conduct research into databases that cover movement sciences topics (ex : Pubmed, Scopus), to find and assess scientific literature and to apply this knowledge to the preparation of a thesis in physical education field.</p>
Evaluation methods	<p>The examination is organized in two parts :</p> <ul style="list-style-type: none"> <li>• The use bibliographic databases to search the scientific literature is assessed before the exam session. (30% of final score)</li> <li>• The critical review of the literature based on theoretical concepts of the scientific method is assessed by a written exam during the exam session (70% of the final score).</li> </ul> <p>In the second session, only the score of the written exam is taken into account, which constitutes the final score (100%).</p>
Teaching methods	<p>Theoretical course in lecture halls and in computer rooms.</p> <p>Theoretical concepts are illustrated through examples in scientific publications.</p>
Content	<p>1) The scientific method: theoretical concepts are taught and illustrated through presentations made by professors and assistants working in various fields of movement sciences research.</p> <p>2) Literature search and use of bibliographic databases in motor sciences : theoretical concepts and computer exercises on Pubmed and Scopus databases. This module is taught with the collaboration of the librarian.</p> <p>3) Critical review of the literature and scientific writing: what distinguishes scientific literature from non-scientific literature? How are bibliographic references presented?</p>
Inline resources	<a href="https://moodle.uclouvain.be/course/edit.php?id=1247">https://moodle.uclouvain.be/course/edit.php?id=1247</a>
Other infos	Prerequisite : LIEPR1003 - Treatment of data
Faculty or entity in charge	FSM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Motor Skills: General	MOTR2M	4		
Master [120] in Motor Skills: Physical Education	EDPH2M	4		